

#2

OIKE

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/872,832

DATE: 06/26/2001  
 TIME: 09:03:33

Input Set : A:\Sequence Listing.txt  
 Output Set: N:\CRF3\06262001\I872832.raw

ENTERED

3 <110> APPLICANT: Memorial Sloan-Kettering Cancer Center  
 5 <120> TITLE OF INVENTION: ARTIFICIAL ANTIGEN PRESENTING CELLS AND METHODS OF USE  
 THEREOF  
 7 <130> FILE REFERENCE: 830002-2003.1  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/872,832  
 C--> 9 <141> CURRENT FILING DATE: 2001-06-01  
 9 <150> PRIOR APPLICATION NUMBER: 60/209,157  
 10 <151> PRIOR FILING DATE: 2000-02-06  
 12 <160> NUMBER OF SEQ ID NOS: 49  
 14 <170> SOFTWARE: PatentIn version 3.0  
 16 <210> SEQ ID NO: 1  
 17 <211> LENGTH: 9  
 18 <212> TYPE: PRT  
 19 <213> ORGANISM: Homo sapiens  
 21 <400> SEQUENCE: 1  
 23 Tyr Thr Ser Asp Tyr Phe Ile Ser Tyr  
 24 1 5  
 26 <210> SEQ ID NO: 2  
 27 <211> LENGTH: 9  
 28 <212> TYPE: PRT  
 29 <213> ORGANISM: Homo sapiens  
 31 <400> SEQUENCE: 2  
 33 Tyr Leu Asp Asp Pro Asp Leu Lys Tyr  
 34 1 5  
 36 <210> SEQ ID NO: 3  
 37 <211> LENGTH: 9  
 38 <212> TYPE: PRT  
 39 <213> ORGANISM: Homo sapiens  
 41 <400> SEQUENCE: 3  
 43 Ile Ala Asp Met Gly His Leu Lys Tyr  
 44 1 5  
 46 <210> SEQ ID NO: 4  
 47 <211> LENGTH: 9  
 48 <212> TYPE: PRT  
 49 <213> ORGANISM: Homo sapiens  
 51 <400> SEQUENCE: 4  
 53 Ser Thr Asp His Ile Pro Ile Leu Tyr  
 54 1 5  
 56 <210> SEQ ID NO: 5  
 57 <211> LENGTH: 9  
 58 <212> TYPE: PRT  
 59 <213> ORGANISM: Homo sapiens  
 61 <400> SEQUENCE: 5  
 63 Asp Ser Asp Gly Ser Phe Phe Leu Tyr  
 64 1 5  
 66 <210> SEQ ID NO: 6  
 67 <211> LENGTH: 9  
 68 <212> TYPE: PRT

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/872,832

DATE: 06/26/2001

TIME: 09:03:33

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\06262001\I872832.raw

69 <213> ORGANISM: Homo sapiens  
71 <400> SEQUENCE: 6  
73 Ala Thr Asp Phe Lys Phe Ala Met Tyr  
74 1 5  
76 <210> SEQ ID NO: 7  
77 <211> LENGTH: 9  
78 <212> TYPE: PRT  
79 <213> ORGANISM: Homo sapiens  
81 <400> SEQUENCE: 7  
83 Tyr Thr Ala Val Val Pro Leu Val Tyr  
84 1 5  
86 <210> SEQ ID NO: 8  
87 <211> LENGTH: 12  
88 <212> TYPE: PRT  
89 <213> ORGANISM: Homo sapiens  
91 <400> SEQUENCE: 8  
93 Tyr Thr Asp Tyr Gly Gly Leu Ile Phe Asn Ser Tyr  
94 1 5 10  
96 <210> SEQ ID NO: 9  
97 <211> LENGTH: 9  
98 <212> TYPE: PRT  
99 <213> ORGANISM: Homo sapiens  
101 <400> SEQUENCE: 9  
103 Leu Leu Asp Val Pro Thr Ala Ala Val  
104 1 5  
106 <210> SEQ ID NO: 10  
107 <211> LENGTH: 9  
108 <212> TYPE: PRT  
109 <213> ORGANISM: Homo sapiens  
111 <400> SEQUENCE: 10  
113 Ser Leu Leu Pro Ala Ile Val Glu Leu  
114 1 5  
116 <210> SEQ ID NO: 11  
117 <211> LENGTH: 9  
118 <212> TYPE: PRT  
119 <213> ORGANISM: Homo sapiens  
121 <400> SEQUENCE: 11  
123 Tyr Leu Leu Pro Ala Ile Val Glu Ile  
124 1 5  
126 <210> SEQ ID NO: 12  
127 <211> LENGTH: 9  
128 <212> TYPE: PRT  
129 <213> ORGANISM: Homo sapiens  
131 <400> SEQUENCE: 12  
133 Met Val Asp Gly Thr Leu Leu Leu Leu  
134 1 5  
136 <210> SEQ ID NO: 13  
137 <211> LENGTH: 9  
138 <212> TYPE: PRT

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/872,832

DATE: 06/26/2001

TIME: 09:03:33

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\06262001\I872832.raw

139 <213> ORGANISM: Homo sapiens  
141 <400> SEQUENCE: 13  
143 Tyr Met Asn Gly Thr Met Ser Gln Val  
144 1 5  
146 <210> SEQ ID NO: 14  
147 <211> LENGTH: 10  
148 <212> TYPE: PRT  
149 <213> ORGANISM: Homo sapiens  
151 <400> SEQUENCE: 14  
153 Met Leu Leu Ser Val Pro Leu Leu Leu Gly  
154 1 5 10  
156 <210> SEQ ID NO: 15  
157 <211> LENGTH: 10  
158 <212> TYPE: PRT  
159 <213> ORGANISM: Homo sapiens  
161 <400> SEQUENCE: 15  
163 Leu Leu Leu Asp Val Pro Thr Ala Ala Val  
164 1 5 10  
166 <210> SEQ ID NO: 16  
167 <211> LENGTH: 12  
168 <212> TYPE: PRT  
169 <213> ORGANISM: Homo sapiens  
171 <400> SEQUENCE: 16  
173 Leu Leu Leu Asp Val Pro Thr Ala Ala Val Gln Ala  
174 1 5 10  
176 <210> SEQ ID NO: 17  
177 <211> LENGTH: 14  
178 <212> TYPE: PRT  
179 <213> ORGANISM: Homo sapiens  
181 <400> SEQUENCE: 17  
183 Val Leu Phe Arg Gly Gly Pro Arg Gly Leu Leu Ala Val Ala  
184 1 5 10  
186 <210> SEQ ID NO: 18  
187 <211> LENGTH: 9  
188 <212> TYPE: PRT  
189 <213> ORGANISM: Homo sapiens  
191 <400> SEQUENCE: 18  
193 Ser Val Leu Asn Leu Val Ile Val Lys  
194 1 5  
196 <210> SEQ ID NO: 19  
197 <211> LENGTH: 9  
198 <212> TYPE: PRT  
199 <213> ORGANISM: Homo sapiens  
201 <400> SEQUENCE: 19  
203 Lys Val Val Asn Pro Leu Phe Glu Lys  
204 1 5  
206 <210> SEQ ID NO: 20  
207 <211> LENGTH: 9  
208 <212> TYPE: PRT

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/872,832

DATE: 06/26/2001

TIME: 09:03:33

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\06262001\I872832.raw

```

209 <213> ORGANISM: Homo sapiens
211 <400> SEQUENCE: 20
213 Arg Thr Gln Asn Val Leu Gly Glu Lys
214 1 5
216 <210> SEQ ID NO: 21
217 <211> LENGTH: 9
218 <212> TYPE: PRT
219 <213> ORGANISM: Homo sapiens
221 <400> SEQUENCE: 21
223 Ala Ser Phe Asp Lys Ala Lys Leu Lys
224 1 5
226 <210> SEQ ID NO: 22
227 <211> LENGTH: 12
228 <212> TYPE: PRT
229 <213> ORGANISM: Homo sapiens
231 <220> FEATURE:
232 <221> NAME/KEY: VARIANT
233 <222> LOCATION: (1)..(12)
234 <223> OTHER INFORMATION: 'X' can be any amino acid
237 <400> SEQUENCE: 22
W--> 239 Ala Thr Ala Gly Asp Gly Xaa Xaa Glu Leu Arg Lys
240 1 5 10
242 <210> SEQ ID NO: 23
243 <211> LENGTH: 9
244 <212> TYPE: PRT
245 <213> ORGANISM: Homo sapiens
247 <400> SEQUENCE: 23
249 Lys Tyr Pro Asn Glu Phe Phe Leu Leu
250 1 5
252 <210> SEQ ID NO: 24
253 <211> LENGTH: 9
254 <212> TYPE: PRT
255 <213> ORGANISM: Homo sapiens
257 <400> SEQUENCE: 24
259 Tyr Tyr Glu Glu Gln His Pro Glu Leu
260 1 5
262 <210> SEQ ID NO: 25
263 <211> LENGTH: 9
264 <212> TYPE: PRT
265 <213> ORGANISM: Homo sapiens
267 <400> SEQUENCE: 25
269 Ala Tyr Val His Met Val Thr His Phe
270 1 5
272 <210> SEQ ID NO: 26
273 <211> LENGTH: 9
274 <212> TYPE: PRT
275 <213> ORGANISM: Homo sapiens
277 <220> FEATURE:
278 <221> NAME/KEY: VARIANT

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/872,832

DATE: 06/26/2001

TIME: 09:03:33

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\06262001\I872832.raw

279 <222> LOCATION: (1)..(9)  
 280 <223> OTHER INFORMATION: 'X' can be any amino acid  
 283 <400> SEQUENCE: 26  
 W--> 285 Val Tyr Xaa Lys His Pro Val Ser Xaa  
 286 1 5  
 288 <210> SEQ ID NO: 27  
 289 <211> LENGTH: 9  
 290 <212> TYPE: PRT  
 291 <213> ORGANISM: Homo sapiens  
 293 <400> SEQUENCE: 27  
 295 Asp Val Phe Arg Asp Pro Ala Leu Lys  
 296 1 5  
 298 <210> SEQ ID NO: 28  
 299 <211> LENGTH: 9  
 300 <212> TYPE: PRT  
 301 <213> ORGANISM: Homo sapiens  
 303 <400> SEQUENCE: 28  
 305 Lys Thr Gly Gly Pro Ile Tyr Lys Arg  
 306 1 5  
 308 <210> SEQ ID NO: 29  
 309 <211> LENGTH: 11  
 310 <212> TYPE: PRT  
 311 <213> ORGANISM: Homo sapiens  
 313 <400> SEQUENCE: 29  
 315 Thr Val Phe Asp Ala Lys Arg Leu Ile Gly Arg  
 316 1 5 10  
 318 <210> SEQ ID NO: 30  
 319 <211> LENGTH: 9  
 320 <212> TYPE: PRT  
 321 <213> ORGANISM: Homo sapiens  
 323 <400> SEQUENCE: 30  
 325 Ala Pro Arg Thr Val Ala Leu Thr Ala  
 326 1 5  
 328 <210> SEQ ID NO: 31  
 329 <211> LENGTH: 9  
 330 <212> TYPE: PRT  
 331 <213> ORGANISM: Homo sapiens  
 333 <400> SEQUENCE: 31  
 335 Ala Pro Arg Thr Leu Val Leu Leu Leu  
 336 1 5  
 338 <210> SEQ ID NO: 32  
 339 <211> LENGTH: 9  
 340 <212> TYPE: PRT  
 341 <213> ORGANISM: Homo sapiens  
 343 <400> SEQUENCE: 32  
 345 Ala Pro Arg Pro Pro Pro Lys Pro Met  
 346 1 5  
 348 <210> SEQ ID NO: 33  
 349 <211> LENGTH: 9

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/872,832

DATE: 06/26/2001

TIME: 09:03:34

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\06262001\I872832.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No  
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22  
L:285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26